

ABSTRACT OF THE DISCLOSURE

The invention relates to a variable valve train (1) for a cam-actuated lifting valve (13) of an internal combustion engine, which valve (13) is loaded by a closing spring (13a) acting against the direction of opening, with an approximately cylindrical force application element (2) located between a cam (14) and the valve (13), whose length can be adjusted hydraulically and whose exterior cylindrical wall face (3) is slidable in a fixed guide cylinder (4), said element (2) being provided with a pressure piston (6) longitudinally slidable in a cylinder (5), which piston (6) is adjacent to a pressure chamber (7) into which opens a pressure channel (8) departing from a port (9) in the wall face (3) of the force application element (2), a fixed pressure line (11) opening into the guide cylinder (4) in the area of the port (9), which line (11) can be subjected to hydraulic high pressure (p_H) permitting hydraulic activation of the valve (13). In order to obtain a variable valve train (1) independent of crank angle (KW) in as simple a manner as possible, a permanent flow connection is provided between pressure line (11) and pressure channel (8) independently of the position of the force application element (2).